

Title (en)

COMPUTER SECURITY SYSTEMS AND METHODS USING ASYNCHRONOUS INTROSPECTION EXCEPTIONS

Title (de)

COMPUTERSICHERHEITSSYSTEME UND VERFAHREN MIT ASYNCHRONEN INTROSPEKTIONSAUSNAHMEN

Title (fr)

SYSTÈMES ET PROCÉDÉS DE SÉCURITÉ INFORMATIQUE UTILISANT DES EXCEPTIONS D'INTROSPECTION ASYNCHRONES

Publication

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Application

**EP 16741900 A 20160714**

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- EP 2016066745 W 20160714

Abstract (en)

[origin: WO2017009415A1] Described systems and methods enable an efficient analysis of security-relevant events, especially in hardware virtualization platforms. In some embodiments, a notification handler detects the occurrence of an event within a virtual machine, and communicates the respective event to security software. The security software then attempts to match the respective event to a collection of behavioral and exception signatures. An exception comprises a set of conditions which, when satisfied by an <event, entity> tuple, indicates that the respective entity is not malicious. In some embodiments, a part of exception matching is performed synchronously (i.e., while execution of the entity that triggered the respective event is suspended), while another part of exception matching is performed asynchronously (i.e., after the triggering entity is allowed to resume execution).

IPC 8 full level

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Citation (search report)

See references of WO 2017009415A1

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**WO 2017009415 A1 20170119**; AU 2016293058 A1 20180118; AU 2016293058 B2 20201105; CA 2990343 A1 20170119; CA 2990343 C 20210928; CN 107851153 A 20180327; CN 107851153 B 20210330; EP 3323074 A1 20180523; EP 3323074 B1 20200318; ES 2792912 T3 20201112; HK 1247295 A1 20180921; IL 256563 A 20180228; IL 256563 B 20210228; JP 2018520446 A 20180726; JP 6842455 B2 20210317; KR 102297133 B1 20210906; KR 20180029047 A 20180319; RU 2018104335 A 20190814; RU 2018104335 A3 20190830; RU 2703156 C2 20191015; US 2017039371 A1 20170209; US 9852295 B2 20171226

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